Teddy Purnamirza <tptambusai@uin-suska.ac.id>

PIER Journals: Request to Review Manuscript 20062804

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Dear Dr. Teddy Purnamirza:

This is to invite you to review this manuscript, which we think the subject is of interest to you.

KEY: 20062804
TITLE: ASYMMETRIC COPLANAR WAVEGUIDE-FED FREQUENCY RECONFIGURABLE ANTENNA BASED ON COMPOSITE RIGHT/LEFT HANDED TRANSMISSION LINE
AUTHORS: He Li
ABSTRACT:
An asymmetric coplanar waveguide fed frequency reconfigurable antenna based on composite right/left handed transmission line is presented in this paper. The antenna is a composite right/left handed transmission line composed of the meander line and a PIN diode. By controlling the switch of the PIN diode the antenna can change the frequency. Simulation and experimental results show that the frequency of the antenna can be changed from 3.25-5.63 GHz to 2.73-2.96 GHz and 5.0-5.4 GHz. The antenna has good omnidirectional radiation in the working frequency band. The antenna can be widely used in WLAN and WiMAX.

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Teddy Purnamirza <tptambusai@uin-suska.ac.id>

PIER Journals: Review form receipt 20082403

PIER Editorial and Production Office <work@jpier.org> 26 November 2020 08.49
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Cc: jpier@emacademy.cn

Dear Dr. Teddy Purnamirza,

This is to acknowledge that we have received your review form for the paper:
Key: 20082403
Title: DESIGN OF TRIPLE BAND U-SLOT MIMO ANTENNA FOR SIMULTANEOUS UPLINK AND DOWNLINK COMMUNICATIONS

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6 | 6 | 4 | 4 | 5 | 5
Comments:
1. Abstract should include the specific conclusion result of the research, so rather than saying: “comparison among… are presented”, this statement is to general. it is prefer to say: “comparison among… show that …”.. or “we get the result of … about … dB” or else.
2. This antenna is said for base station application. I cannot understand how your antenna with gain only 2 dB is suitable for base station antennas.
3. What do you mean with guard period and intermittent carrying (section 1 paragraph 2). In my opinion guard period is used in signal (not in antennas).
4. For prototype II and III in Figure 2. What is the scientific reason such that the the author come up with that kind of configuration. The author should discuss the scientific background or the process to get the configuration briefly.
5. It is not clear which prototypes (I or II or III) that Is fabricated from Figure 1. It is depicted in Figure 1 that the fabricated prototype is not prototype I or II or III, but the basic model that not yet include the MIMO feature.
6. In section 2.1, The author discuss about Figure 12 just after discussed about Figure 2, the discussion of this paper is not well organized.
7. Equation 1 to 7 should refer to reference list.
8. The term A, B and C is not that clear, the author should show their definition with illustration or picture, not only the explaination.
9. Authors should explained briefly the explanation (based on theory) about the influence of varying slot position A, B and C to the resonance frequency
10. Figure 7 (return loss) is not clearly show the width of bandwidth since the picture is too small
11. There is no discussion about Figure 12. The Figure only mention in section 2.1 without discussion.
12. Conclusion should present possible future researches that can be developed or carried out , so the conclusion should not repeat the result that has been discussed in previous section.
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1. English grammar and readability: 6
2. Reference of previous contributions in books and journals: 6
3. Chances of free from potentially serious errors which may invalidate the results: 4
4. New technical contributions: 4
5. Quality as a review article: 5
6. Summary rating of the overall quality of the article: 5

Thank you very much for reviewing this article.

With our best regards,
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February 18, 2019

Dr. Teddy Purnamirza
Department of Electrical Engineering, Faculty of Science and Technology
Universitas Islam Sultan Syarif Kasim
Pekanbaru, Indonesia

Dear Dr. Teddy Purnamirza,

This is to acknowledge that we have received your review inputs for the following manuscript(s):

- 19012202: LANDSLIDES MONITORING WITH A SQUINT ANGLE BASED ON GBSAR
- 18103106: DESIGN OF AN MICROSTRIP ANTENNA WITH DIFFERENT GROUND PLANE SETTINGS
- 18062201: APPLICATION OF THE INVASIVE WEED OPTIMIZATION ALGORITHM TO BROADBAND MATCHING OPTIMIZATION OF WHIP ANTENNA
- 16102201: EFFECT ANALYSIS OF AMPLITUDE AND PHASE ERRORS ON PHASE CENTRE OF ARRAY ANTENNA
- 16010803: SEVEN-BAND COMB-SHAPED MICROSTRIP ANTENNA FOR WIRELESS SYSTEMS
- 14100402: HIGH POWER 12-ELEMENT TRIANGULAR-GRID RECTANGULAR RADIAL LINE HELICAL ARRAY ANTENNA
- 13061107: LOW LOSSES POWER DISTRIBUTION NETWORKS IN STRIPLINE TECHNOLOGY FOR PLANAR ARRAY ANTENNAS

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